750~850nm High Power Partial Reflective Fiber Mirror

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- Low Polarization Sensitivity
- Low Profile Packaging

APPLICATIONS

- Fiber Optic Amplifiers
- Sensing Systems
- Telecommunication Networks
- CATV Networks
- LAN Systems

SPECIFICATIONS

Parameter		Unit	Value
Center Wavelength (CW)		nm	750, 780, 793, 808, 830, 850
Bandwidth		nm	+/-10
Excess Loss		dB	1.4
Nominal Reflective Ratio		%	1±0.5, 2±0.8, 5±1, 10±2, 50±8, 80, 90, 99
PDL (for SM Fiber Type)		dB	≤0.20
Extinction Ratio (for PM Fiber Type)		dB	≥18
Fiber Type	SM Fiber Type	-	HI780 Fiber or 780-HP Fiber
	PM Fiber Type	-	PM850 Fiber or PM780-HP Fiber
Fiber Tensile Load		N	5
Maximum Optical Power (CW)		W	1, 2, 3, 5, 10
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)
	Metal Box	mm	(L)120x(W)12x(H)10

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

ORDERING INFORMATION (PN)

FFPF-NNN - NN C C -HP NN -(C) (C) C NN - CC/CCC

Center Wavelength	*Ref. Ratio*	*Input Fiber*	*Output Fiber*	*Optical Power*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
780=780nm	01=1%	P= PM Fiber	P= PM Fiber	1= 1W	M=Metal Box	7=780HP Fiber or PM780HP Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
793=793nm	05=5%	S=SM Fiber	S=SM Fiber	2= 2W	*Blank* for SST	*Blank* for HI780 or PM850 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
830=830nm	50=50%			3=3W			2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
850=850nm	80=80%			5=5W			3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector